

Zkoušková písemka – 2005

1. Konečný automat

A	δ		θ	
	0	1	0	1
1	5	6	1	0
2	1	5	1	1
3	4	6	1	0
4	3	2	1	1
5	1	4	1	1
6	2	5	1	0

2. $GF(2^3)$

$$f = 1 + x^2 + x^3$$

$$b = 1 + x + x^2$$

3. (5,2)-kód

$$GF(2^5)$$

$$w_1 = (00000, 01010, 11100, 10110)$$

$$A = 01011$$

$$B = 00011$$

$$C = 10100$$

$$D = 11101$$

4. $f = 1 + x + x^3 + x^5 + x^6 + x^7 + x^8$

$$g = x + x^2 + x^3$$

5. Graf

6. Graf